



Protect your investment and allow you to rest assured.

AirHorse is an industry leader, at the same time, we are always focused on customer communication, innovation technology, is committed to developing new products and pre-sales and after sales customer experience. Our products cover a minimum to 5.5kw, maximum 350kw; high-quality stationary screw air compressors, variable frequency screw compressors and matching compressed air purification equipment.

Genuine Parts

Only use genuine parts and service of AirHorse Compressor Co., Ltd., to ensure the normal operation of the compressor group and normal life to the greatest extent.



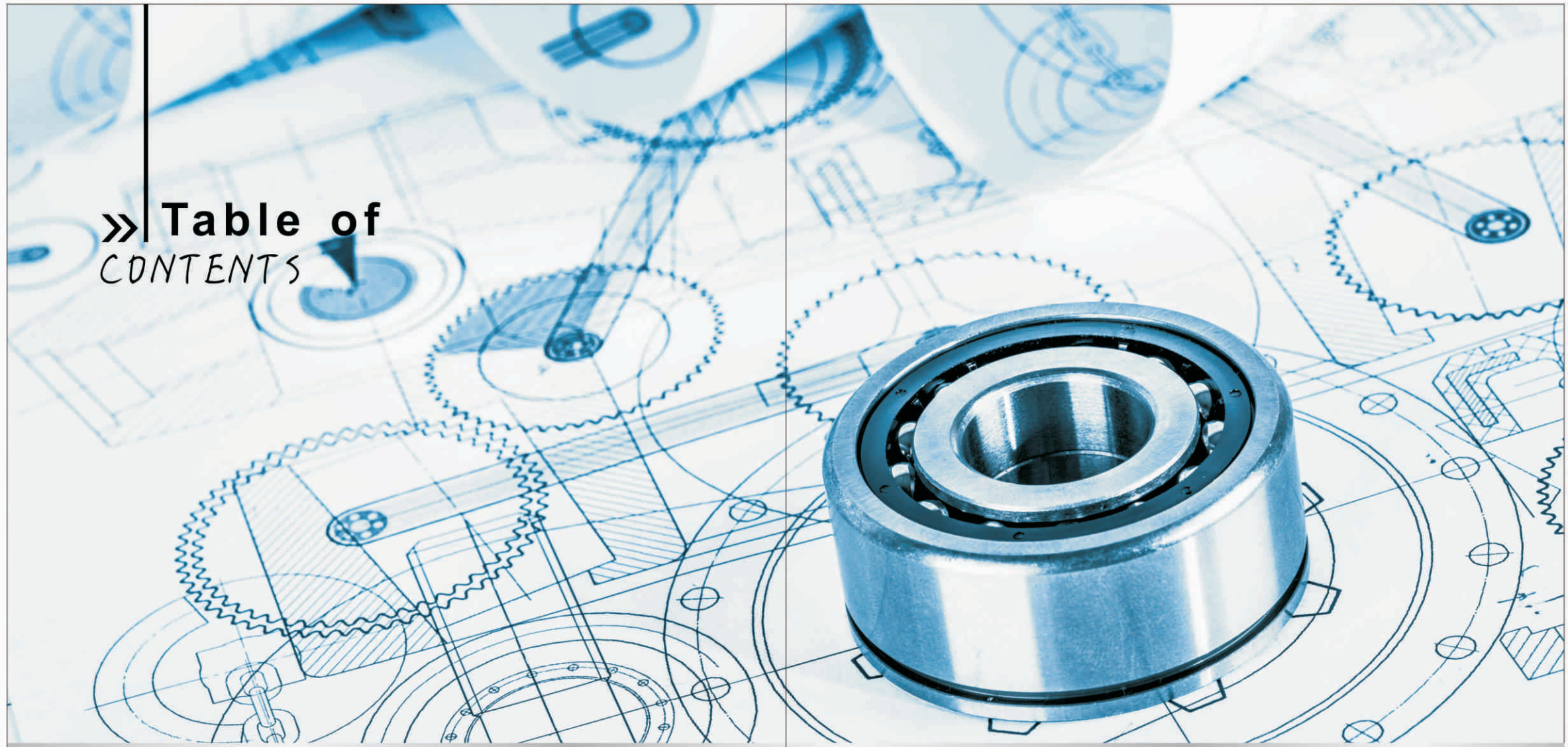
AIRHORSE

广州艾玛压缩机有限公司
GUANGZHOU AIRHORSE COMPRESSOR CO.,LTD

Guangzhou AirHorse Compressor co., Ltd

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COMPANY



INTRODUCTION



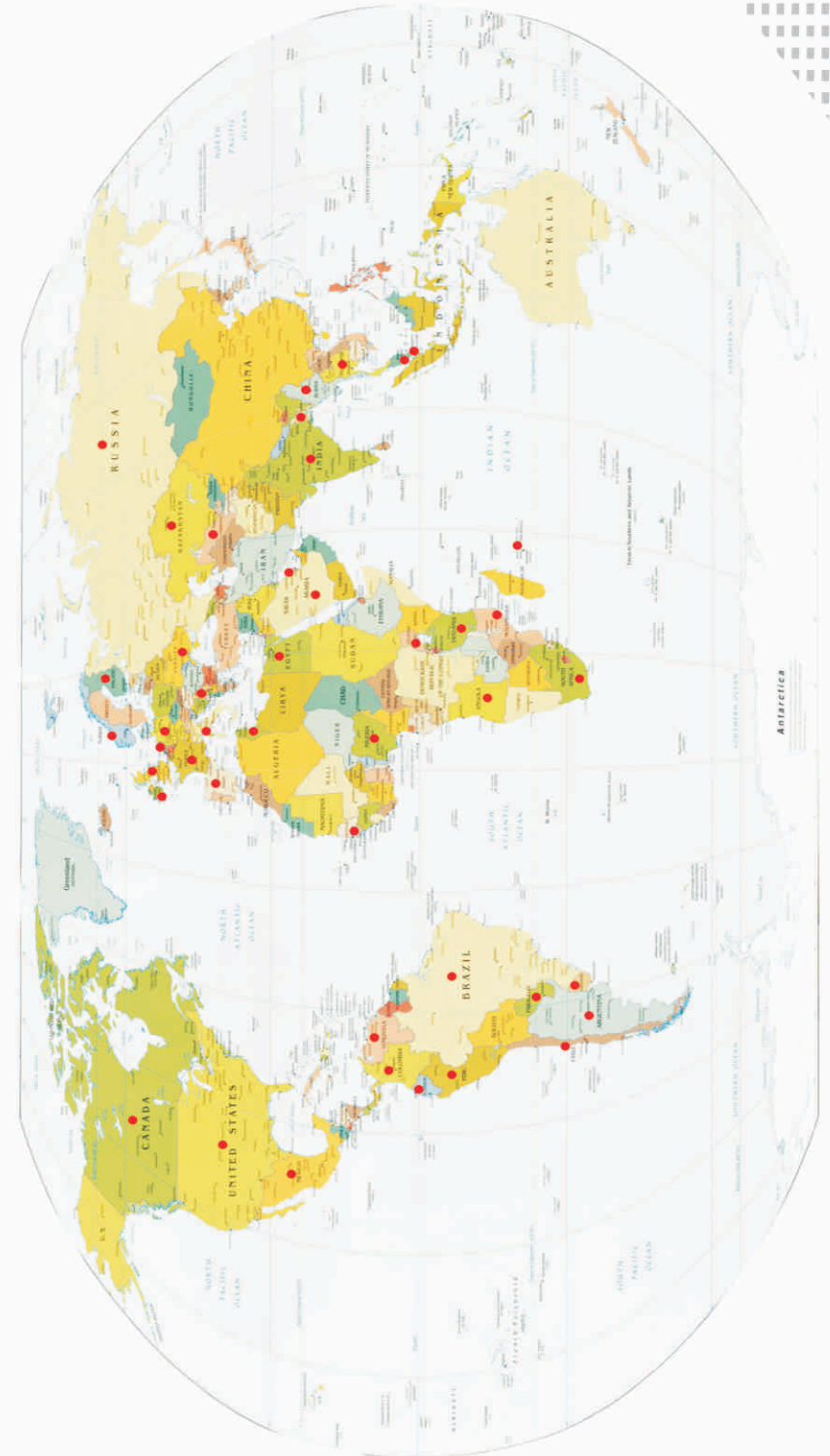
Guangzhou AirHorse Compressor co., Ltd is the professional manufacturing and exporter. We are specialized in air compressor research, development and production. The main products including screw air compressor, piston air compressor and air dryer etc. With the advanced design, high reliability, low noise, long running life time, our products are widely used in power generation, semi conductor, shipping, ship building, oil field, rubber, food, pharmacy, package, electronic, communication, cement, glasses, chemical, textile, papermaking, gas, oil refining etc.

With 30 years's profound researches and experience in this line, and the join of high-technical from Germany and Italy, We produce the very good quality screw air compressor and our goods were selling more than 100 countries and area. We are famous with " Superior quality, competitive price and high-grade service" .

We have obtained the approval of ISO9001-2000 international quality management system, ISO14001 Enviroment management system authentication, CE quality system, UL quality system ASME quality system etc.



Customers all over the world



Corporation Certificate

To do a good job,even in the smallest details,for high quality products by strictly implementing the quality management system.

To establish brand that is synonymous with advanced technology and outstanding quality.

To develop an efficient and effective quality control system to cement the company's credibility.



About ISO Certification

The International Organization for Standardization (ISO) set up the Quality Management and Quality Assurance Technical Committee (TC176) who are in charge of constituting a quality management framework. The ISO 9000 series has gone through a series of modifications into today's ISO 9001 series standards. These standards enable a consensus to be reached on solutions that meet both the requirement of the business and the broader needs of society, aimed at enhancing customer satisfaction. With the expansion of commodity economies and the growth of economic globalization, standards help bring out the best in the organization and help deliver the best products and services to our customers. These include enhancing product credibility, reducing duplication testing, weakening and eliminating trade barriers and maintaining the rights and interests of producers, distributors, users and customers. This is an independent third party certification and sets the standard worldwide not only for quality management systems, but for management systems in general.



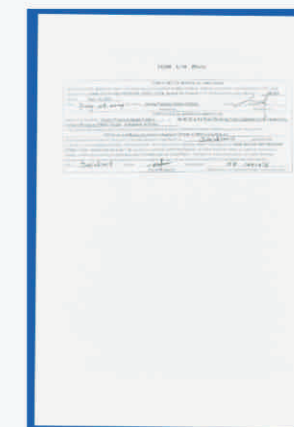
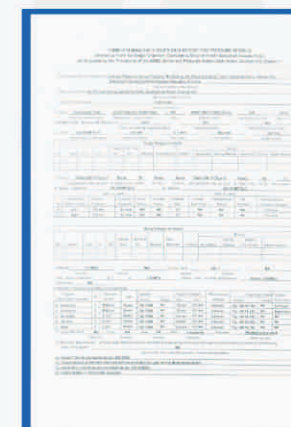
About CCC Certification

The CCC mark or 3C refers to the China Compulsory Certification, a product inspection system. The CCC recently replaced the original China Commission for Conformity of Electrical Equipment (CCEE), China Commodity Inspection Bureau (CCIB) and Electromagnetic Compatibility (EMC). It is a statutory safety certification system and is based on safeguarding consumers' rights and interests; protecting personal and property safety; enhancing quality management and implementing the laws and regulations in accordance with the product conformity assessment system.



About CE Certification

CE marking is the mandatory conformity mark for products placed on the market in the European Economic Area (EEA) and confirms that product complies with all the legal requirements and ensures validity so the product can be sold. This includes four basic requirements for mechanical and electrical products which are safety, health, environmental protection and customer protection. In conforming to the requirements, a level of safety is ensured for the products that enter into the European market.



About ASME Certification

ASME is the abbreviation of American Society of Mechanical Engineers (American Society of Mechanical Engineers) and was founded in 1880, has branches in all around the world, is a great authority and influence of international academic organizations. ASME is mainly engaged in the development of mechanical engineering and related fields of science and technology, to encourage basic research, to promote academic exchanges, development cooperation and other engineering associations to carry out standardization activities, the development of mechanical specifications and standards. It has 125,000 members, manages the world's largest technical publishing department, presided over the annual 30 technical sessions, 200 professional development courses, and developed many industrial and manufacturing standards.

HIGH QUALITY ACCESSORIES SHOW



Air End

(German Technology)

Original air end from Germany and Italy, the powerful heart decides the high performance of the whole machine, to make sure bigger air capacity, higher efficiency, longer lifespan. Precision machined rotors with duplex-tapered roller bearings.



GHH Air End

Air Fliter

(Germany MANN)

Efficient heavy air filter to ensure the quality of inlet air and safety of the air end, improved the life greatly.



Motor

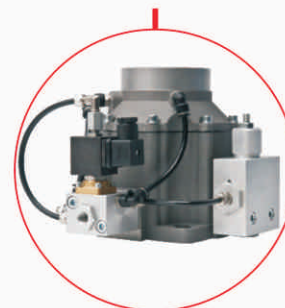
(Jiangtian, Qingjiang, same quality as Sullair of USA)

Using well-know brand high performance motor, protection class IP54, F Class insulation, SKF load bearing, higher efficiency than similar products by 3%-5%.

Intake Valve

(Hoerbiger from Austria)

Automatically adjust based on gas consumption, low maintenance, good stability, large inlet air.



Electricity Board

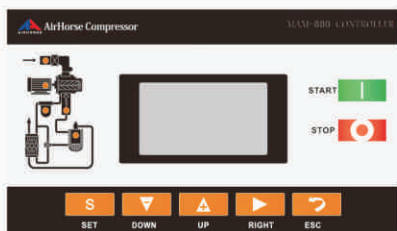
(Siemens/ABB PLC)

Main electrical components use the world famous brand Schneider, Simens etc., professional wire input design, strong function to diagnose fault and protect automatically.

Control Panel

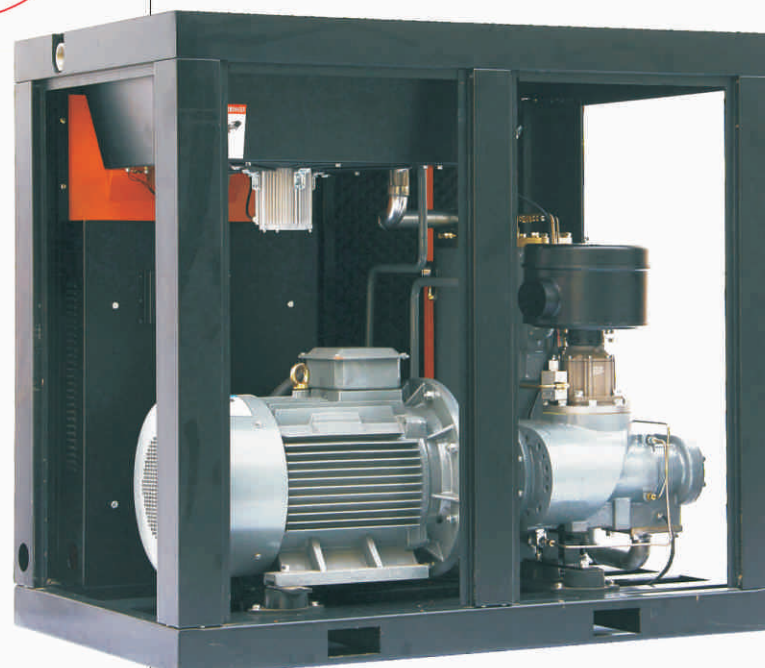
(Chinese, English, Russian, Spanish etc. available)

The AirHorse Control System offers single-point control and access to your compressed air system. With the improved overall diagnostic capabilities to pinpoint service needs, it is almost like having a built-in service technician. Simplify your serving. Your air solutions provide will recommend the most cost effective maintenance program, to ensure trouble-free operation.



Sequential Cooling

Improves efficiency, service ability and noise level. Standard electronic no-loss drain valves improve efficiency. Independently-mounted, free-floating air and coolant heat exchanges. Lowers discharge temperatures, significantly reducing the energy remove condensate in downstream air treatment.





AirHorse Integrated Multi-function Display and Control Features

- 1.Package discharge pressure
- 2.Total hours run
- 3.Maintenance timer
- 4.Time of day
- 5.Fault indicator
- 6.Bar graph indicating service %
- 7.Get Parts indicating at 20%
- 8.Flashing LED at 10% remain
- 9.Continuous warning if service is overdue

Oil Filter

(Germany MANN)

The efficiency is 20% higher than normal one, filter accuracy up to 9 microns, protect the air end better, and extend the service life.



Bearing

(Sweden SKF)

Perfect stability, adapting to changeable load well, extending the life of rotor; Lower running speed, decreasing abrasion of bearing; Lower running temperature, decreasing load of bearing; Higher accuracy of bearing, longer lifespan.



Three Grade Air and Oil Separator

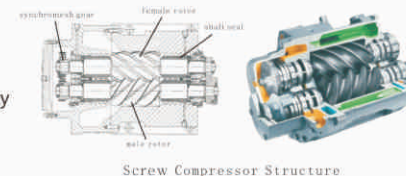
(Germany MANN)

Built-in high efficiency air and oil separator core, to ensure the oil content of compressed air below 3PPM, fix and replace easily, good sealing, bearing high pressure.



Double Screw

High efficiency, high quality and durable.



• Parts Improve

A totally integrated, leak-free connections
Vibration isolation system and metal-flex hoses extend compressor life and reduce noise Reduces downstream contamination with stainless steel air piping.



AIRHORSE DIRECT DRIVEN SCREW AIR COMPRESSOR (30HP-350HP)

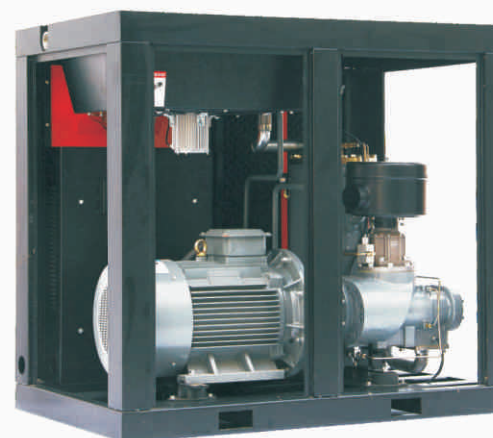


AH Direct Type Screw Air Compressor

AirHorse screw air compressor provides high-quality air you can rely on to avoid costly downtime and production delays. The robust design ensures your processes will function continuously even in the harshest conditions such as temperature up to 55°C. Furthermore, AirHorse air compressors are easy to install and use, they require minimal on-site installation work and simple to operate and maintain. AIRHORSE screw air compressor selling all over the world, we can supply different electricity such as 380V 50HZ 3PH, 220V 60HZ 3PH, 440V 60HZ 3PH, 415V 50HZ 3PH, and 230V/460V 60HZ 3PH.. And 2 pole motor and 4 pole motor. Also we have CE certificate, UL certificate, ISO 9001 certificate, ASME certificate.

■ Features of Direct Coupled Screw Air Compressor

- ※ Double Screw with low noise, Super Silenced Enclosure
- ※ Elegant compact design
- ※ Fully open access door to inner parts for easy service
- ※ 100% Continuous duty operation. Load/No Load operation
- ※ 1year full machine warranty, 3years air end warranty
- ※ Machine was CE and UL certificated, Machines under ISO9001 quality management standard system
- ※ continuously monitors key operating parameters and adapts to prevent unexpected downtime
- ※ LCD control panel with easy use and read. PLC control for load/no load and auto shut-off according to the air flow which save much energy
- ※ Progressive Adaptive Control (PAC) Protection
- ※ V-Shield Technology
- ※ provides a totally integrated, leak-free design
- ※ Sequential Cooling System
- ※ significantly improves efficiency, serviceability and noise level



Open the map



side elevation

RELIABILITY

Superior Design, Superior Life. Optimized cooler performance reduces thermal stress, energy consumption and downstream dryer requirements. Leak-free elastomeric seals, stainless steel pipes and long-life metal-flex hoses provide reliable and repeatable internal connections. Intelligent controls that both monitor and adapt key operating parameters to prevent unexpected downtime.

EFFICIENCY

Optimized Components and Systems. High performance single stage air ends. Class-leading induction and high-efficiency Hybrid Permanent motors. Minimized installation costs and complexity with single cooling air inlet and outlet, and easy exhaust heat management for lower utility costs.

PRODUCTIVITY

User-Friendly Operation and Accessibility. Intuitive high-resolution controller with web-enabled remote access, compressor control and on-screen performance analysis. Removable hinged doors, swing out separator lid and easy-slide heat exchangers make maintenance easy and safe.

AIRHORSE SCREW AIR COMPRESSOR (Belt Type)



AH Belt type screw machine AHB-20A

AirHorse was one of the first grade screw compressor manufactures to implement the V-belt drive. AirHorse screw compressors with V-Belt drive are economical and reliable. The belt driven screw air compressor use Germany technique which provide high quality air, low noise and high efficiency. The belt driven screw air compressor is more elegant, easy to install, simple operation and maintain.



■ Features of Belt driven Screw Air Compressor

- ※ Air end with high-efficiency
- ※ Double Screw with low noise, Super Silenced Enclosure
- ※ 100% Continuous duty operation. Load/No Load operation
- ※ Easy to use and read LCD control panel
- ※ High temperature, high pressure and anti-rotation shutdown
- ※ Energy efficient operation
- ※ 5 micron, water-resistant air filtration material
- ※ 1year full machine warranty,3years air end warranty
- ※ Elegant compact design. Fully open access door to inner parts for easy service
- ※ High quality CE Certificate industrial electric motors. ISO,CE,UL Certificate
- ※ Supply the machine with different working voltage according to customer's request, such as:
380Volt,3phase,50hz ; 420Volt,3phase,50hz
380Volt,3phase,60hz ; 220Volt,3phase,60hz etc



side elevation

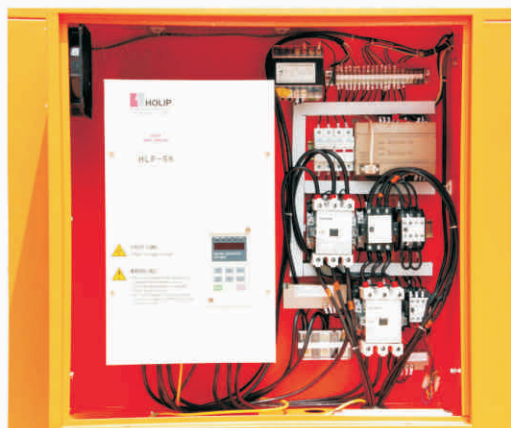
■ Belt type screw machine open display



AIRHORSE VARIABLE FREQUENCY SCREW AIR COMPRESSOR

Use AirHorse Variable Speed Drive screw air compressor, you don't need to worry about the complex of electrical installation and programming for the machine. All parts of compressor are assembled before shipment, as long as the main power supply is connected, it can work immediately.

Through the powerful intelligent controller test the pressure of the air system changes continuously, accurate to change the speed, air flow of the air compressor always consistent to the demand of the user's system. Intelligent controller of reaction rate is calculated by milliseconds, and at the same time for speed correction can be made within the 3 ms, make its outlet air pressure control within the minimum range.



HOLIP--Danfoss Frequency Converter

※ High Full-load Operating Efficiency

Class-leading performance achieved by state-of-the-art airend design and manufacturing processes, coupled with the reduction of internal losses, means that airend full-load performance.



※ Intel Drive Features

High-efficiency induction motor. Integrated Variable Speed Driven(VSD) with speed control. Leading control and protection. Soft starting eliminates drive stress.

※ Multiple Machine Operation

When operating as a pressure trim machine, the power savings achieved by a single compressor is multiplied by additional savings achieved over the full installation.

※ Economy of Use

Saves your money by lowering your operation cost. These saving will continue to be delivered to your bottom line year after year.

※ Best Efficiency at Part-load

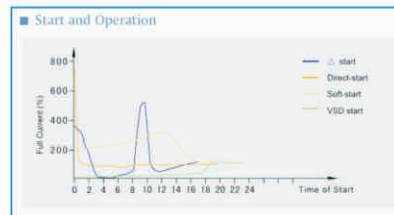
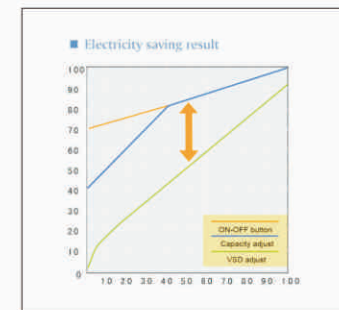
When operating at part-load, the performance is top in class. The variable speed IntelliDrive avoids load cycling and maintains a steady state of operation, reducing operating and maintenance costs.

※ Soft Start Lowers your Operating Cost

The gentle start cycle of the IntelliDrive increases the service life, meaning that frequent stop and restart cycles are permitted, without the risk of over-heating.

※ Electricity Saving Result

According to the research between the VSD screw air compressor and a normal screw air compressor, there are two fields which can display the result of energy saving, the loss of no-loading and loss of fluctuating pressure. For example, for a 55KW screw air compressor, 70% air delivery in a year, the VSD type can save about 80000KWH energy. The cost of VSD can be taken back within two years.

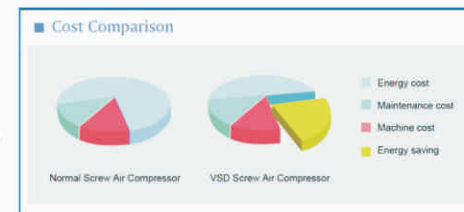


※ Start and Operation

The figure shows a comparison of several types of start up. We can see that the VSD air compressor is slowly accelerating started, more stable than the soft-start compressor, completely avoiding the current peak. Variable speed screw air compressor is ideal for use in areas lacking of electricity.

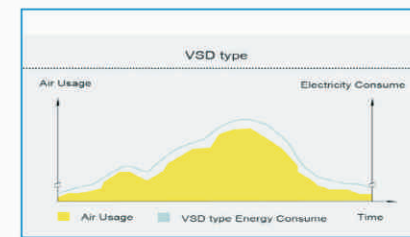
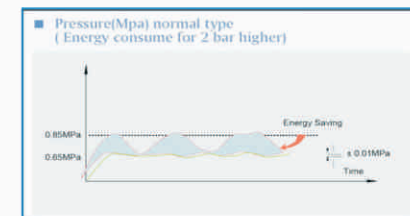
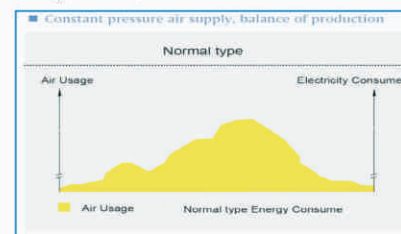
※ Cost Comparison

The Guangzhou AirHorse VSD screw air compressor can change the motor RPM precisely according to the air consumption under stable discharge pressure. The compressor only delivers the required air, and only consumers the energy of necessary compressed air. That's why the VSD type screw air compressor can save energy during the whole set machine operation. The cost of saving energy is much higher than the cost of machine itself.



※ Constant pressure air supply, with the balance of production

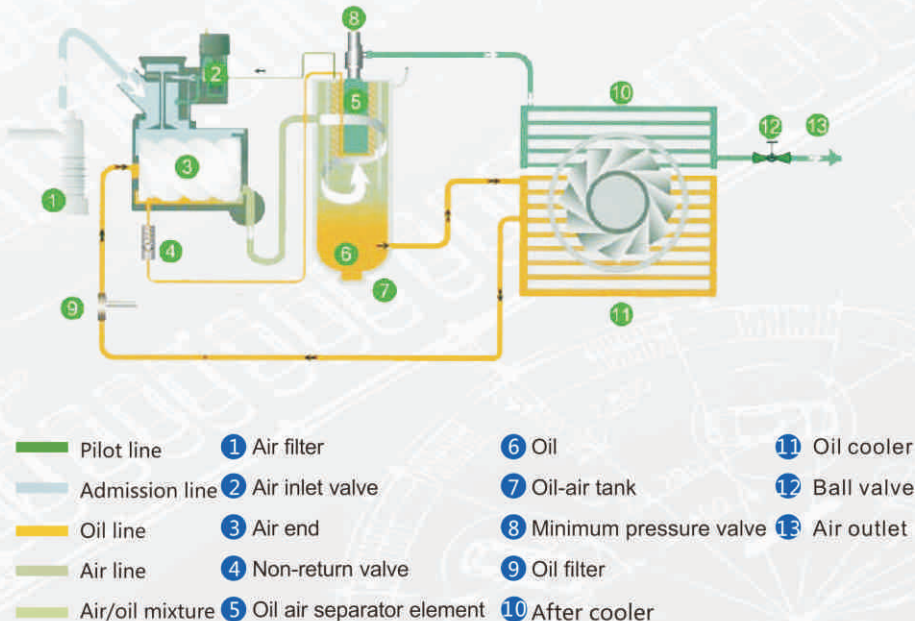
The figure shows the energy consumption comparison between the general air compressor and VSD air compressor. The VSD screw air compressor changes the rotating speed according to air consumption and balance the air supply and air usage. Thus avoiding the machine frequent loading and unloading, making the VSD machine save more than 35% energy compared to normal compressor. Stable pressure delivery controlled the pressure zone with 0.01 Mpa-0.02 Mpa, avoid energy loss under high pressure in the normal type air compressor.



■ Belt type screw Air compressor parameters

AirHorse Screw Air Compressor (Belt driven)												
Model	AHB-7A	AHB-10A	AHB-15A	AHB-20A	AHB-25A	AHB-30A	AHB-40A	AHB-50A	AHB-60A	AHB-75A	AHB-100A	
Free air deliver		1.2/0.7	1.6/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.2/0.7	6.8/0.7	7.3/0.7	10.0/0.7	13.5/0.7	
Discharge pressure	0.85/0.7	1.1/0.8	1.5/0.8	2.3/0.8	2.9/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8	9.1/0.8	12.6/0.8	
(m ³ /min/Mpa)	0.75/0.8	0.9/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.0/1.0	8.5/1.0	11.2/1.0	
		0.7/1.2	1.1/1.2	1.9/1.2	2.2/1.2	2.8/1.2	3.8/1.2	4.9/1.2	5.6/1.2	7.6/1.2	10.0/1.2	
Free air deliver		42/102	57/102	88/102	113/102	134/102	184/102	240/102	258/102	353/102	477/102	
Discharge pressure	30/102	39/116	53/116	81/116	102/116	127/116	177/116	219/116	247/116	322/116	445/116	
(CFM/PSI)	27/116	32/145	46/145	74/145	92/145	113/145	159/145	198/145	212/145	300/145	396/145	
		25/174	39/174	67/174	78/174	99/174	134/174	173/174	198/174	269/174	353/174	
No of compression stage	single stage											
Ambient temperature	-5...+45℃											
Cooling model	Air --Cooling											
Discharge temperature(℃)	Ambient temperature+15℃											
Lubricant(L)	16	18				30		65				
Noise level(Db)	62±2	64±2				62±2		68±2				72±2
Drive method	Multivex belt											
Electricity(V/ph/Hz)	380/3/50											
Power(KW/HP)	5.5/7	7.5/10	11/15	15/20	18.5/25	22/30	30/40	37/50	45/60	55/75	75/100	
Starting method	Y-△Starter											
Dimension: length/width/height(mm)	800*720*950	860*740*960	1100*850*1160		1400*950*1300			1500*1000*1420		1730*1170*1700	1820*1250*1760	
Weight(kg)	128	240	400	420	600	620	680	980	1050	1600	1800	
Air outlet pipe diameter(inch/mm)	3/4"				1"			1 1/2"		2"		

■ Air cooling system flow diagram



■ Direct Driven Screw Air compressor parameters

AirHorse Screw Air Compressor (Direct coupled)											
Model	AHD-30A	AHD-50A	AHD-75A	AHD-100A	AHD-120A/W	AHD-150A/W	AHD-175A/W	AHD-220A/W	AHD-250A/W	AHD-300A/W	AHD-350A
Free air deliver	3.8/0.7	6.8/0.7	10.0/0.7	13.5/0.7	16.1/0.7	21.0/0.7	25.2/0.7	28.7/0.7	32.0/0.7	36.7/0.7	42.0/0.7
Discharge pressure	3.6/0.8	6.2/0.8	9.1/0.8	12.6/0.8	15.0/0.8	19.8/0.8	24.0/0.8	27.6/0.8	30.5/0.8	34.5/0.8	40.5/0.8
(m³/min/Mpa)	3.2/1.0	5.6/1.0	8.5/1.0	11.2/1.0	13.8/1.0	17.0/1.0	21.0/1.0	24.6/1.0	27.5/1.0	30.2/1.0	38.1/1.0
	2.8/1.2	4.9/1.2	7.6/1.2	10.0/1.2	12.3/1.2	15.3/1.2	18.3/1.2	21.5/1.2	24.8/1.2	27.8/1.2	34.6/1.2
Free air deliver	154/102	240/102	353/102	477/102	569/102	742/102	890/102	1014/102	1131/102	1297/102	1484/102
Discharge pressure	127/116	219/116	322/116	445/116	530/116	700/116	848/116	975/116	1078/116	1219/116	1431/116
(CFM/PSI)	113/145	198/145	300/145	396/145	488/145	661/145	742/145	869/145	972/145	1067/145	1366/145
	99/174	173/174	269/174	353/174	435/174	541/174	647/174	760/174	876/174	982/174	1223/174
No. of compression stage	single stage										
Ambient temperature	-5--+45 °C										
Cooling model	Air --Cooling					Air-Cooling&Water-Cooling			Water-Cooling		
Discharge temperature (°C)	Ambient temperature+15 °C										
Lubricant(L)	18	30	65			90			110		
Noise level(Db)	68±2		72±2			75±2			72±2		
Drive method	Direct drive										
Electricity(V/Ph/Hz)	380/3/50										
Power(KW/HP)	22/30	37/50	55/75	75/100	90/120	110/150	132/175	150/200	185/250	220/300	250/350
Starting method	Y-△ Starter										
Dimension: length/width/height (mm)	1400*900*1220	1560*1000*1360	1800*1200*1600	1900*1200*1600	2100*1400*1780	2360*1360*1800	2460*1420*1800	2560*1540*1840	2610*1640*2050	2700*1740*2100	2900*1850*2100
Weight(kg)	680	1060	1880	1980	2100	2900	3500	3900	4200	4600	5000
Air outlet pipe diameter(inch/mm)	1"	1 1/2"	2"			DN65			DN80		DN100

■ One-stop Shopping Flow

Full set of machine supply and service, including air dryer, air receiver and air filter.



AIRHORSE INTEGRAL SCREW AIR COMPRESSOR

How can a compressed air system help you increase profitability? The answer is really pretty simple: by ensuring that you achieve the highest productivity in your shop while reducing the total cost of ownership to the absolute lowest levels.



Integral Screw Air Compressor

- Ultimate Reliability**
 AirHorse is so confident in the performance of these compressors, that we offer a choice of extended warranty packages designed to provide you with maximum operating security. Smart integration eliminates leaks and pressure drops, ensuring maximum reliability.
- Ultimate Efficiency**
 Delivers more air for less horsepower, saving thousands of dollars per year on energy. Eliminates wasteful unloaded running by cycling the compressor on/off.
- Ultimate Flexibility**
 With a simplified, easy to maintain structure and with long life components, a trouble-free operation is provided. Compact machine design provides minimum working space.
- Benefits are virtually endless**
 Plug-and-play simplicity--eliminates the leading causes of failure in air systems: incorrect sizing and installation. Virtually no install costs--eliminates 80% of install time, material and costs. Integral packaging saves valuable floor space for other uses. Lifetime power savings through highly efficient components. Increased productivity through better air quality. Eliminates water and corrosion resulting in extended tool and equipment life.

AirHorse Tank Mounted Screw Air Compressor										
Model	Motor power (KW)	HP	Free air deliver (m ³ /min)	CFM	Discharge pressure (MPa)	Noise level (dB)	Lubricant oil (L)	Tank volume (V/gal)	Electricity (KG)	Size (mm)
AH-7	5.5	7.5	0.85	30	0.7	53-57	5.4	300	380/3/50	375 1620*720*1470
AH-10	7.5	10	1.20	42	0.7	63-67	5.4	300	380/3/50	380 1620*720*1470
			1.10	39	0.8					
			0.90	32	1.0					
AH-15	11	15	1.60	57	0.7	63-67	7	300	380/3/50	420 1620*720*1600
			1.50	53	0.8					
			1.30	46	1.0					
AH-20	15	20	2.50	88	0.7	63-67	8	300	380/3/50	450 1620*720*1600
			2.30	81	0.8					
			2.10	74	1.0					

AirHorse Screw Air Compressor (with tank and dryer)										
Model	Motor power (KW)	HP	Free air deliver (m ³ /min)	CFM	Discharge pressure (MPa)	Noise level (dB)	Lubricant oil (L)	Tank volume (V/gal)	Electricity (KG)	Size (mm)
AH-7	5.5	7.5	0.85	30	0.7	53-57	5.4	300	380/3/50	415 1900*720*1470
AH-10	7.5	10	1.20	42	0.7	63-67	5.4	300	380/3/50	420 1900*720*1470
			1.10	39	0.8					
			0.90	32	1.0					
AH-15	11	15	1.60	57	0.7	63-67	7	300	380/3/50	465 1900*720*1600
			1.50	53	0.8					
			1.30	46	1.0					
AH-20	15	20	2.50	88	0.7	63-67	8	300	380/3/50	510 1900*720*1600
			2.30	81	0.8					
			2.10	74	1.0					

A Revolutionary Advancement

Going far beyond combining the compressor, dryer and filters in one package, smart integration also. Eliminates vulnerable interconnecting piping. Minimizes pressure losses and drops. Integrates the compressor, dryer and filter into an energy-reducing, optimized system. Incorporates the entire supply-side system into one whisper-quiet package, enabling installation virtually anywhere. Provides generous space to promote cooling and to allow unobstructed service.

Dry and Clean Compressed Air

All Total Air System packages come fully equipped with an integral, energy-saving air treatment center including a high-performance air dryer and filtration pack to remove water, oil and particles from the air stream. All components are perfectly matched to deliver the right air quality to increase air-powered tool and system equipment life.

High-efficiency Components

The Total Air System incorporates only the highest quality components to ensure that both system efficiency and productivity are maximized-- a high-efficiency compressor room without the hassle, complexity and costs of the traditional compressor room. Total Air System packages come fully equipped with: A high-efficiency rotary screw air compressor, An energy-saving cycling refrigerated air dryer, A high-efficiency coalescing filter, A high-efficiency particulate filter, An integral air receiver storage tank, Integrated compressor and dryer controls, Low pressure drop piping.



AIRHORSE REFRIGERATED AIR DRYER

How the dryers works?

The dryer is in fact divided into three systems: heat exchanging, refrigeration and electric control system. Compressed air enters the air-air or air-water pre-cooler for removing heat content, then it enters the air or air heat exchanger and being cooled down to a lower temperature. After it enters the evaporator, the air to refrigerant heat reduce the air temperature down to 2-5°C (Dew point temp), the moisture will be condensed into liquid, which will be separated by separator and be drained off by the solenoid drain valve. In the mean time, low temperature air passes through the air to air heat exchanger, then goes to application after reaching designed temperature.



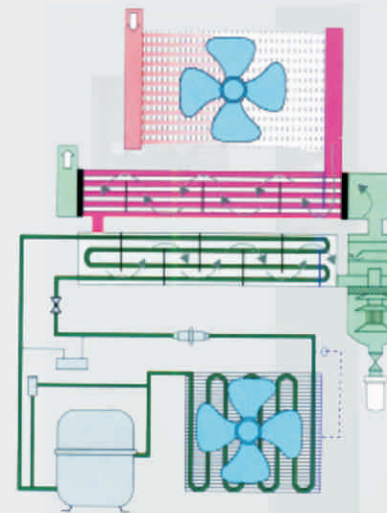
Strong cooling ability

With high power supply refrigeration media compressor which can pre-cool it and exchange the heat and refrigerate again; therefore the air will 30% more than dryer than any other factory products.

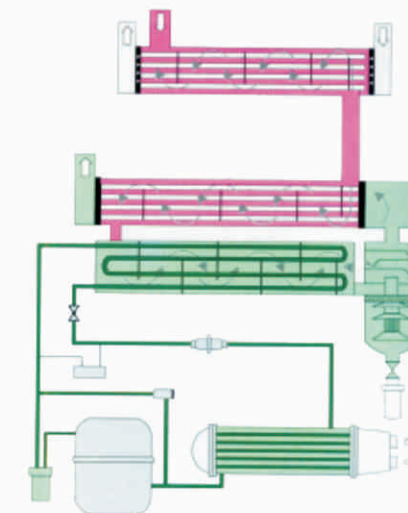
High separation effect

High effective separator which can filtrate more than 99% of the water, oil and the solid impurity in the compressed air.

Air cooling/ Water cooling flowsheet



DWT-7.5-300 Air cooling flowsheet



DWT-300-3000 Water cooling flowsheet

Water outlet stable and reliable

Adopting the electron to outlet water automatically using valve and metal netting and its specially holding water method ensuring the reliability of the water outlet.

High Inlet temperature

With the pre-cooling system, using thickest copper heat-exchanging spare parts, could take up to 80 degrees hot air.

Low limitation temperature

Using the high functioning evaporation system, it could make the heat-exchange in large scale, and ensure the long staying and thorough heat-exchanging of the compressed air in the evaporation system. And also make the more compressed air into water and drying it.

Automatic controlling

High effective refrigeration system which automatically control, adjusting high or low temperature and never stop working. It could always maintain the best performance.

Stable functioning

Combination of Japanese, Denmark and other famous brand accessories to ensure the product is maintained high quality.

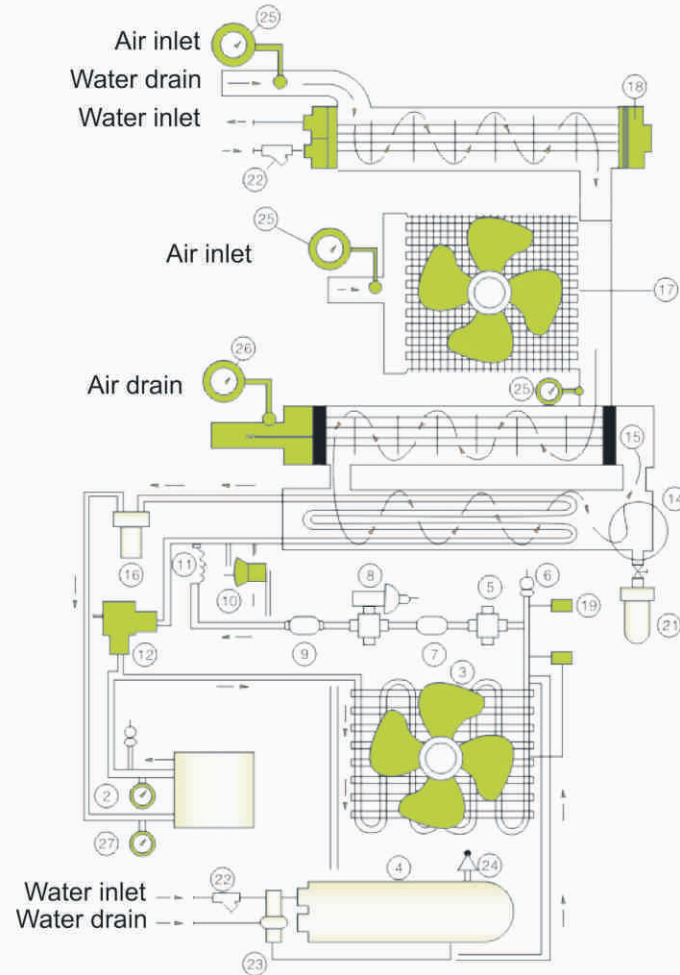
Inlet temperature: $\leq 60^{\circ}\text{C}$

Ambient temp: $\leq 35^{\circ}\text{C}$

Cooling method: Air cooling

Outlet temperature: $1-10^{\circ}\text{C}$

AIRHORSE REFRIGERATED AIR DRYER



- 1.Refrigeration Compressor ○ 2.Refrigeration High Voltage Meter ○ 3.Air-cooling condenser ○ 4.Water-cooling Condenser
- 5.Repair Valve ○ 6.Filling Valve ○ 7.Dry Filter ○ 8.Electromagnetic Valve
- 9.Refrigeration Window ○ 10.Expansion Valve ○ 11.Capillary ○ 12.Hot Air Bypass Valve
- 13.Steamer ○ 14.Air-Moisture Separator ○ 15.Air thermal Exchanger ○ 16.Liquid-Air Separator
- 17.Air-cooling Prepositive Cooler ○ 18.Water-cooling Prepositive Breaker ○ 19.High Voltage Protective Breaker ○ 20.Pressure Control Switch
- 21.Auto Drain ○ 22.Cooling Water Filter ○ 23.Water Volume Adjustment Valve ○ 24.Excessive High Pressure Safety Load-releasing Valve
- 25.Air Entry Pressure Meter ○ 26.Air Exit Pressure Meter ○ 27.Refrigeration Low-pressure Meter



Refrigerated Compressed Air Dryer																
Model	AH-5SG	AH-10SG	AH-15SG	AH-20SG	AH-30SG	AH-50G	AH-60G	AH-75G	AH-100G	AH-120G	AH-150G	AH-200G	AH-250G	AH-300G	AH-400G	
Ambient temperature	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	25℃	
Compressed air temperature at inlet	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	<60℃	
Cooling model	Air-Cooling															
Air flow (m³/min)	1.0	1.5	2.0	2.5	3.8	6.5	7.5	10.5	13.8	16.0	20.0	28.0	30.0	35.0	45.0	
Air flow (CFM)	35	53	71	88	134	230	265	371	488	565	707	989	1060	1237	1590	
Compressor power (KW)	0.32	0.43	0.51	0.73	0.92	1.38	1.38	1.78	2.57	2.57	2.94	4.4	4.8	5.5	7.35	
Air inlet pressure (Mpa)	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	
Loss of pressure (Mpa)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Dew point (℃)	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	
Maximum pressure	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	13KG	
Pipe diameter	R1"	R1"	R1"	R1 1/2"	R1 1/2"	R1 1/2"	R1 1/2"	R2 1/2"	R2 1/2"	R2 1/2"	R3"	R3"	PN1.0DN80	PN1.0DN100	PN1.0DN100	
Electricity (V/ph/Hz)	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	
Dimension L	640	640	700	730	760	900	1020	1200	1200	1200	1400	1400	1580	1730	1980	
(mm)	W	380	380	390	420	450	500	610	600	600	730	730	900	995	995	
	H	710	710	730	760	970	1120	990	1120	1270	1350	1350	1760	1840	2025	
N.W.(KG)		40	45	50	60	80	110	123	175	202	225	315	421	508	633	860



AIRHORSE AIR FILTER

The air filter can filter out dirt, oil and water. Depending on the type of compressed air filter, we can effectively remove up to 99.9% of these impurities.



Three types of elements are available

● A grade 3 micron pre-filter ● B grade 1 micron separator filter ● C grade 0.01 micron separator filter

● A Grade 3 Micron Pre-Filter

This 3 micron pre-filter has a 3 micron ceramic standard compressed air filter and water separator. It removes large liquid loads and all solid particles 3 micron and larger. This air filter can be used as a separator downstream of the after cooler of point-of-use filter where heavy liquid loads are expected (air systems without after coolers or dryers).

● B Grade 1 Micron Air Line Filter

This 1 micron compressed air filter removes all liquid water, oil aerosols, and all solid particles 1 micron and larger. This air filter can be used as a general filter for shop air, after filter for pressure wing desiccant dryers, and as a point-of-use filter on systems utilizing after coolers or dryers.

● C Grade 0.01 Micron Air Line Filter

The 0.01 micron coalescing filters coalesce and remove 99.99% of oil aerosols for virtually oil free air. This air filter can be used with oil-lubricated compressors to produce oil free air for painting (spray and powder), molding for plastics, instrumentation and controls, fluid logic and air bearings.

Three types of parameter filter

Model	AH-A-007	AH-A-015	AH-A-024	AH-A-035	AH-A-060	AH-A-090	AH-A-120	AH-A-150	AH-A-240	AH-A-360	AH-A-450	AH-A-600	AH-A-900
Filtration impurities	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron	3 micron
Oil filtering content	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM	5 PPM
Initial pressure difference	0.1KG/CM ²												
Maximum pressure difference	0.7KG/CM ²												
Connecting size	G 3/4" 1"	G 3/4" 1"	G 1" 1 1/2"	G 1" 1 1/2"	G 1" 1 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	PN16D110	PN16D150	PN16D150	PN16D150	PN16D200
Air flow (m ³ /min)	1	1.5	2.4	3.5	6	9	12	15	24	36	45	60	90
Air flow (CFM)	35	53	85	124	212	318	424	530	848	1272	1590	2120	3180
Maximum pressure	16bar	16bar	16bar	16bar	16bar	16bar	16bar	16bar	12bar	12bar	12bar	10bar	10bar
Dimension L	267	267	513	513	513	550	928	928	1225.5	1521	1716	1812	1812
Dimension W	243	243	310	310	450	509	887	887	1133	1100	1265	1315	1315
Dimension H	89	89	109	109	109	150	150	150	275	473	473	520	590
Weight (KG)	1.1	1.1	2.2	2.2	2.7	8	16	16	137	137	140	184	200



Model	AH-B-007	AH-B-015	AH-B-024	AH-B-035	AH-B-060	AH-B-090	AH-B-120	AH-B-150	AH-B-240	AH-B-360	AH-B-450	AH-B-600	AH-B-900
Filtration impurities	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron	1 Micron
Oil filtering content	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM	0.5 PPM
Initial pressure difference	0.2KG/CM ²												
Maximum pressure difference	0.7KG/CM ²												
Connecting size	G 3/4" 1"	G 3/4" 1"	G 1" 1 1/2"	G 1" 1 1/2"	G 1" 1 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	PN16D110	PN16D150	PN16D150	PN16D150	PN16D200
Air flow (m ³ /min)	1	1.5	2.4	3.5	6	9	12	15	24	36	45	60	90
Air flow (CFM)	35	53	85	124	212	318	424	530	848	1272	1590	2120	3180
Maximum pressure	16bar	16bar	16bar	16bar	16bar	16bar	16bar	16bar	12bar	12bar	12bar	10bar	10bar
Dimension L	267	267	513	513	513	550	928	928	1225.5	1521	1716	1812	1812
Dimension W	243	243	310	310	450	509	887	887	1133	1100	1265	1315	1315
Dimension H	89	89	109	109	109	150	150	150	275	473	473	520	590
Weight (KG)	1.1	1.1	2.2	2.2	2.7	8	16	16	137	137	140	184	200

Model	AH-C-007	AH-C-015	AH-C-024	AH-C-035	AH-C-060	AH-C-090	AH-C-120	AH-C-150	AH-C-240	AH-C-360	AH-C-450	AH-C-600	AH-C-900
Filtration impurities	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron
Oil filtering content	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM	0.001 PPM
Initial pressure difference	0.3KG/CM ²												
Maximum pressure difference	0.7KG/CM ²												
Connecting size	G 3/4" 1"	G 3/4" 1"	G 1" 1 1/2"	G 1" 1 1/2"	G 1" 1 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	G 2" 2 1/2"	PN16D110	PN16D150	PN16D150	PN16D150	PN16D200
Air flow (m ³ /min)	1	1.5	2.4	3.5	6	9	12	15	24	36	45	60	90
Air flow (CFM)	35	53	85	124	212	318	424	530	848	1272	1590	2120	3180
Maximum pressure	16bar	16bar	16bar	16bar	16bar	16bar	16bar	16bar	12bar	12bar	12bar	10bar	10bar
Dimension L	267	267	513	513	513	550	928	928	1225.5	1521	1716	1812	1812
Dimension W	243	243	310	310	450	509	887	887	1133	1100	1265	1315	1315
Dimension H	89	89	109	109	109	150	150	150	275	473	473	520	590
Weight (KG)	1.1	1.1	2.2	2.2	2.7	8	16	16	137	137	140	184	200

Typical customers » and Industry

01: Automotive



02: Beverage



03: Heavy Construction



04: Brewing



05: Car Manufacturing



06: Chemical Industries



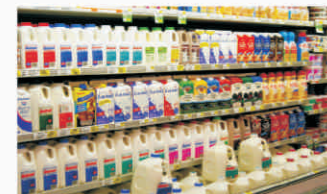
07: CNG
(Compressed Natural Gas)



08: Construction



09: Dairy Products



10: Diving
(Professional and Recreational)



11: Electric Power Plants



12: Electronics



Typical customers » and Industry

○ 13: Food Industries



○ 14: Hospital & Laboratories



○ 15: Industrial Air & Gas



○ 16: Marine & offshore



○ 17: Manufacturing



○ 18: Mining



Precision is connected with daily life

○ 19: Food Package



○ 20: Oil production / Refineries



○ 21: P.E.T. blowing



○ 22: Pharmaceutical



○ 23: Railways



○ 24: Steel production

